

ANALYTICAL REPORT

Prepared by
Lockheed Martin Information Systems and Global Services/Environmental Services
Scientific, Engineering, Response and Analytical Services

Cabo Rojo Site
Puerto Rico

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EPA Work Assignment No. SERAS-130
LOCKHEED MARTIN Work Order SER0130
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Submitted to
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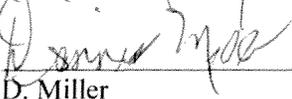
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TESTING LABORATORIES INFORMATION

Analysis of Volatile Organic Compounds in Air (SERAS SOP# 1814, EPA Method TO-15)

ERT/SERAS Laboratory
2890 Woodbridge Avenue
Edison, NJ 08837

All analyses were performed according to our NELAP-approved quality assurance program. The test results meet the requirements of the current NELAP standards, where applicable, except as noted in the laboratory case narrative provided. Results are intended to be considered in their entirety and apply only to those analyzed and reported herein.

ERT/SERAS Laboratory is certified by the New Jersey Department of Environmental Protection, NELAP Laboratory Certification ID # 12023 for TO-15 analysis in air.



Detailed Sample Information

<u>SERAS SAMPLE #</u>	<u>Field Sample #</u>
R203016-02	0-130-1144
R203016-04	0-130-1146
R203016-06	0-130-1148
R203016-08	0-130-1150
R203016-09	0-130-1151
R203016-11	0-130-1153
R203016-13	0-130-1155
R203016-15	0-130-1157
R203016-16	0-130-1158
R203016-18	0-130-1160
R203016-20	0-130-1162
R203016-21	0-130-1163
R203016-23	0-130-1165
R203016-25	0-130-1167
R203016-27	0-130-1169
R203016-28	0-130-1170
R203016-30	0-130-1172
R203016-31	0-130-1173
R203016-33	0-130-1175
R203016-34	0-130-1176
R203016-36	0-130-1059
R203016-37	0-130-1060
R203016-39	0-130-1062
R203016-41	0-130-1064
R203016-43	0-130-1066
R203016-45	0-130-1068
R203016-47	0-130-1070
R203016-49	0-130-1072
R203016-50	0-130-1073
R203016-51	0-130-1074
R203016-53	0-130-1076
R203016-55	0-130-1078
R203016-57	0-130-1080
R203016-59	0-130-1082
R203016-61	0-130-1084
R203016-63	0-130-1086
R203016-65	0-130-1088
R203016-66	0-130-1089
R203016-67	0-130-1090
R203016-69	0-130-1092
R203016-71	0-130-1094
R203016-73	0-130-1096
R203016-75	0-130-1098

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Detailed Sample Information (contd)

<u>SERAS SAMPLE #</u>	<u>Field Sample #</u>
R203016-77	0-130-1100
R203016-79	0-130-1102
R203016-80	0-130-1103
R203016-82	0-130-1105
R203016-84	0-130-1107
R203016-85	0-130-1108
R203016-87	0-130-1110
R203016-89	0-130-1112
R203016-91	0-130-1114
R203016-93	0-130-1116
R203016-95	0-130-1118
R203017-01	0-130-1120
R203017-03	0-130-1122
R203017-05	0-130-1124
R203017-06	0-130-1125
R203017-08	0-130-1127
R203017-10	0-130-1129
R203017-12	0-130-1131
R203017-13	0-130-1132
R203017-15	0-130-1134
R203017-17	0-130-1136
R203017-18	0-130-1137
R203017-20	0-130-1139
R203017-22	0-130-1141
R203017-23	0-130-1142

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Introduction

SERAS personnel, in response to WA# SERAS-130, provided analytical support for environmental samples collected from the Cabo Rojo Site in Puerto Rico, as described in the following table. The support also included QA/QC, data review and preparation of an analytical report containing analytical and QA/QC results.

The samples were treated with procedures consistent with those specified in SERAS SOP #1008, *Operation of Sample Refrigeration Units and Sample Receiving, Handling and Storage*.

Chain of Custody #	Number of Samples	Sampling Date	Date Received	Date Analyzed	Matrix	Analysis/ Method	Laboratory	Data Package
2-032112-171616-0015	5	03/21/12	03/23/12	03/23/12 through 03/27/12	Air	TO-15(VOC) SERAS SOP 1814	ERT/SERAS	X 043
2-032112-174259-0016	5							
2-032112-175005-0017	5							
2-032112-175125-0018	5							
2-032112-175226-0019	5							
2-032112-175316-0020	5							
2-032112-175435-0021	5							
2-032112-175708-0022	5							
2-032112-175900-0023	5							
2-032112-180018-0024	5							
2-032112-180128-0025	4							
2-032112-180247-0026	5							
2-032112-180403-0027	4							
2-032112-180503-0028	5							

Case Narrative

Sampling was conducted as per the site-specific Quality Assurance Project Plan (QAPP) and analyzed by the analytical methods stated in the QAPP. The laboratory reported the data to three significant figures. Any other representation of the data is the responsibility of the user. All data validation flags have been inserted into the results tables.





TO-15 (VOC) in Air Package X 043

The trip blank 130-1142 contained concentrations of benzene, toluene, ethylbenzene and 1,2,4-trimethylbenzene above the Reporting Limit (RL). Data are qualified as follows:

- The results for benzene, toluene, ethylbenzene and 1,2,4-trimethylbenzene in samples 0-130-1172, 0-130-1175, 0-130-1176, 0-130-1062, 0-130-1072, 0-130-1068, 0-130-1134, 0-130-1129, 0-130-1131 and 0-130-1139 are qualified non-detect (U) because the results are less than five times the trip blank concentration in these samples. The RLs for these compounds have been raised to the concentration found in the samples.
- The results for benzene, toluene and 1,2,4-trimethylbenzene in samples 0-130-1066, 0-130-1070, 0-130-1074 and 0-130-1092 are qualified non-detect (U) because the results are less than five times the trip blank concentration in these samples. The RLs for these compounds have been raised to the concentration found in the samples.
- The results for benzene, ethylbenzene and 1,2,4-trimethylbenzene in sample 0-130-1064 are qualified non-detect (U) because the results are less than five times the trip blank concentration in these samples. The RLs for these compounds have been raised to the concentration found in the samples. The RLs for these compounds have been raised to the concentration found in the sample.
- The results for benzene and toluene in samples 0-130-1160, 0-130-1073, 0-130-1094, 0-130-1096 and 0-130-1136 are qualified non-detect (U) because the results are less than five times the trip blank concentration in these samples. The RLs for these compounds have been raised to the concentration found in the samples.
- The results for benzene in samples 0-130-1173, 0-130-1132, 0-130-1141 and 0-130-1137 are qualified non-detect (U) because the results are less than five times the trip blank concentration in these samples. The RLs for these compounds have been raised to the concentration found in the samples.

The results presented in this report only relate to the samples analyzed. All results are intended to be considered in their entirety. The Environmental Response Team/Scientific, Engineering, Response and Analytical Services laboratory is not responsible for utilization of less than the complete report.



Summary of Abbreviations

BFB	Bromofluorobenzene
C	Centigrade
CLP	Contract Laboratory Program
COC	Chain of Custody
conc	concentration
cont	continued
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
D	(Surrogate Table) value is from a diluted sample and was not calculated
Dioxin	Polychlorinated dibenzo-p-dioxins (PCDD) and Polychlorinated dibenzofurans (PCDF)
DFTPP	Decafluorotriphenylphosphine
EMPC	Estimated maximum possible concentration
GC/MS	Gas Chromatography/ Mass Spectrometry
IS	Internal Standard
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MDA	Minimum Detectable Activity
MS (BS)	Matrix Spike (Blank Spike)
MSD (BSD)	Matrix Spike Duplicate (Blank Spike Duplicate)
MW	Molecular Weight
NA	Not Applicable or Not Available
NAD	Normalized Absolute Difference
NC	Not Calculated
NR	Not Requested/Not Reported
NS	Not Spiked
% D	Percent Difference
% REC	Percent Recovery
SOP	Standard Operating Procedure
ppbv	parts per billion by volume
ppm	parts per million
pptv	parts per trillion by volume
PQL	Practical Quantitation Limit
PAL	Performance Acceptance Limit
QA/QC	Quality Assurance/Quality Control
QL	Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference
RSD	Relative Standard Deviation
SERAS	Scientific, Engineering, Response and Analytical Services
SIM	Selected Ion Monitoring
Sur	Surrogate
TIC	Tentatively Identified Compound
TCLP	Toxicity Characteristic Leaching Procedure
VOC	Volatile Organic Compound
*	Value exceeds the acceptable QC limits

m ³	cubic meter	g	gram	kg	kilogram	L	liter
µg	microgram	µL	microliter	mg	milligram	mL	milliliter
ng	nanogram	pg	picogram	pCi	picocurie	s	sigma

Data Validation Flags

J	Value is estimated	R	Value is unusable
J+	Value is estimated high (metals only)	U	Not detected
J-	Value is estimated low (metals only)	UJ	Not detected and RL is estimated
N	Presumptively present (Aroclors only)		

Rev. 1/14/09





Table 1.1a Result of the Analysis for VOC (ppbv) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

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SERAS Sample No.	3/23/2012	R203017-23	R203016-30	R203016-33	R203016-34					
Sample Number	Method Blank	0-130-1142	0-130-1172	0-130-1175	0-130-1176					
Sample Location		Trip Blank	J1-IA1	J2-IA	J2-AMB					
Analyte	Results ppbv	RL ppbv								
Vinyl Chloride	U	0.0300								
1,1-Dichloroethene	U	0.0300								
Methylene Chloride	U	0.0300	U	0.0300	0.155	0.0300	0.135	0.0300	0.154	0.0300
trans-1,2-Dichloroethene	U	0.0300								
1,1-Dichloroethane	U	0.0300								
cis-1,2-Dichloroethene	U	0.0300								
Chloroform	U	0.0300	U	0.0300	0.0415	0.0300	1.70	0.0300	U	0.0300
1,2-Dichloroethane	U	0.0300								
Benzene	U	0.0300	0.164	0.0300	U	0.170	U	0.211	U	0.190
Trichloroethene	U	0.0300								
Toluene	U	0.0300	0.427	0.0300	U	0.931	U	0.802	U	1.33
Tetrachloroethene	U	0.0300								
Ethylbenzene	U	0.0300	0.0319	0.0300	U	0.0924	U	0.0975	U	0.122
1,2,4-Trimethylbenzene	U	0.0300	0.0445	0.0300	U	0.155	U	0.179	U	0.143

Table 1.1a (cont) Result of the Analysis for VOC (ppbv) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

SERAS Sample No.	R203016-17	R203016-18	R203016-20	R203016-22	R203016-24					
Sample Number	0-130-1059	0-130-1060	0-130-1062	0-130-1064	0-130-1066					
Sample Location	MHS-IA1	MHS-IA2	MHS-IA3	MHS-IA4	MHS-IA5					
Analyte	Results ppbv	RL ppbv								
Vinyl Chloride	U	0.0300								
1,1-Dichloroethene	U	0.0300								
Methylene Chloride	0.171	0.0300	0.190	0.0300	0.119	0.0300	0.158	0.0300	0.120	0.0300
trans-1,2-Dichloroethene	U	0.0300								
1,1-Dichloroethane	U	0.0300								
cis-1,2-Dichloroethene	U	0.0300								
Chloroform	U	0.0300	U	0.0300	0.0311	0.0300	U	0.0300	U	0.0300
1,2-Dichloroethane	U	0.0300	0.0346	0.0300	U	0.0300	U	0.0300	U	0.0300
Benzene	2.08	0.0300	1.58	0.0300	U	0.159	U	0.176	U	0.128
Trichloroethene	U	0.0300								
Toluene	10.3	0.0300	9.67	0.0300	U	0.617	2.17	0.0300	U	0.643
Tetrachloroethene	U	0.0300								
Ethylbenzene	1.76	0.0300	1.38	0.0300	U	0.154	U	0.157	0.190	0.0300
1,2,4-Trimethylbenzene	1.44	0.0300	1.12	0.0300	U	0.140	U	0.131	U	0.0970

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Table 1.1a (cont) Result of the Analysis for VOC (ppbv) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

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SERAS Sample No. R203016-18
 Sample Number 0-130-1160
 Sample Location I12-IA

Analyte	Results ppbv	RL ppbv
Vinyl Chloride	U	0.0300
1,1-Dichloroethene	U	0.0300
Methylene Chloride	0.156	0.0300
trans-1,2-Dichloroethene	U	0.0300
1,1-Dichloroethane	U	0.0300
cis-1,2-Dichloroethene	U	0.0300
Chloroform	0.305	0.0300
1,2-Dichloroethane	0.107	0.0300
Benzene	U	0.260
Trichloroethene	U	0.0300
Toluene	U	1.18
Tetrachloroethene	U	0.0300
Ethylbenzene	0.161	0.0300
1,2,4-Trimethylbenzene	0.230	0.0300

Table 1.1a (cont) Result of the Analysis for VOC (ppbv) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

SERAS Sample No. R203017-23 R203016-02 R203016-04 R203016-06
 Sample Number 3/23/2012 0-130-1142 0-130-1144 0-130-1146 0-130-1148
 Sample Location Method Blank Trip Blank PFCS-IA1 PFCS-IA2 PFCS-IA3

| Analyte | Results
ppbv | RL
ppbv |
|--------------------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|
| Vinyl Chloride | U | 0.0300 |
| 1,1-Dichloroethene | U | 0.0300 |
| trans-1,2-Dichloroethene | U | 0.0300 |
| 1,1-Dichloroethane | U | 0.0300 |
| cis-1,2-Dichloroethene | U | 0.0300 |
| 1,2-Dichloroethane | U | 0.0300 |
| Trichloroethene | U | 0.0300 |
| Tetrachloroethene | U | 0.0300 |

Table 1.1a (cont) Result of the Analysis for VOC (ppbv) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

SERAS Sample No. R203016-08 R203016-09 R203016-11 R203016-13 R203016-15
 Sample Number 0-130-1150 0-130-1151 0-130-1153 0-130-1155 0-130-1157
 Sample Location PFCS-IA4 PFCS-IA5 PFCS-IA6 PFCS-IA7 PFCS-IA8

Analyte	Results ppbv	RL ppbv								
Vinyl Chloride	U	0.0300								
1,1-Dichloroethene	U	0.0300								
trans-1,2-Dichloroethene	U	0.0300								
1,1-Dichloroethane	U	0.0300								
cis-1,2-Dichloroethene	U	0.0300	U	0.0300	0.0447	0.0300	U	0.0300	U	0.0300
1,2-Dichloroethane	U	0.0300	U	0.0300	U	0.0300	U	0.0300	0.0346	0.0300
Trichloroethene	U	0.0300								
Tetrachloroethene	0.0355	0.0300	U	0.0300	U	0.0300	U	0.0300	U	0.0300

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Table 1.1a (cont) Result of the Analysis for VOC (ppbv) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

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SERAS Sample No.	R203016-16	R203016-20	R203016-21	R203016-23	R203016-25
Sample Number	0-130-1158	0-130-1162	0-130-1163	0-130-1165	0-130-1167
Sample Location	PFCS-AMB	15CX-IA1	15CX-IA2	115ACX-IA	13CX-IA

Analyte	Results ppbv	RL ppbv								
Vinyl Chloride	U	0.0300								
1,1-Dichloroethene	U	0.0300	0.0399	0.0300	U	0.0300	U	0.0300	U	0.0300
trans-1,2-Dichloroethene	U	0.0300	0.292	0.0300	U	0.0300	U	0.0300	U	0.0300
1,1-Dichloroethane	U	0.0300								
cis-1,2-Dichloroethene	U	0.0300	0.261	0.0300	U	0.0300	U	0.0300	U	0.0300
1,2-Dichloroethane	U	0.0300	U	0.0300	U	0.0300	0.0505	0.0300	0.0375	0.0300
Trichloroethene	U	0.0300	0.136	0.0300	U	0.0300	U	0.0300	U	0.0300
Tetrachloroethene	U	0.0300								

Table 1.1a (cont) Result of the Analysis for VOC (ppbv) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

SERAS Sample No.	R203016-27	R203016-28
Sample Number	0-130-1169	0-130-1170
Sample Location	CX6-IA	115ACX-AMB

Analyte	Results ppbv	RL ppbv	Results ppbv	RL ppbv
Vinyl Chloride	U	0.300	U	0.0300
1,1-Dichloroethene	U	0.300	U	0.0300
trans-1,2-Dichloroethene	U	0.300	U	0.0300
1,1-Dichloroethane	U	0.300	U	0.0300
cis-1,2-Dichloroethene	U	0.300	U	0.0300
1,2-Dichloroethane	U	0.300	U	0.0300
Trichloroethene	U	0.300	U	0.0300
Tetrachloroethene	0.304	0.300	U	0.0300

Table 1.1a (cont) Result of the Analysis for VOC (ppbv) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

SERAS Sample No.		R203016-31	R203016-26	R203016-28	R203016-30
Sample Number	3/24/2012	0-130-1173	0-130-1068	0-130-1070	0-130-1072
Sample Location	Method Blank	J1-IA2	MHS-IA6	MHS-IA7	MHS-IA8

Analyte	Results ppbv	RL ppbv								
Vinyl Chloride	U	0.0300	U	0.300	U	0.0300	U	0.0300	U	0.0300
1,1-Dichloroethene	U	0.0300	U	0.300	U	0.0300	U	0.0300	U	0.0300
Methylene Chloride	U	0.0300	U	0.300	0.132	0.0300	0.153	0.0300	0.127	0.0300
trans-1,2-Dichloroethene	U	0.0300	U	0.300	U	0.0300	U	0.0300	U	0.0300
1,1-Dichloroethane	U	0.0300	U	0.300	U	0.0300	U	0.0300	U	0.0300
cis-1,2-Dichloroethene	U	0.0300	U	0.300	U	0.0300	U	0.0300	U	0.0300
Chloroform	U	0.0300	U	0.300	U	0.0300	U	0.0300	U	0.0300
1,2-Dichloroethane	U	0.0300	U	0.300	U	0.0300	U	0.0300	U	0.0300
Benzene	U	0.0300	U	0.416	U	0.126	U	0.183	U	0.136
Trichloroethene	U	0.0300	U	0.300	U	0.0300	U	0.0300	U	0.0300
Toluene	U	0.0300	5.94	0.300	U	0.825	U	1.12	U	0.547
Tetrachloroethene	U	0.0300	U	0.300	U	0.0300	U	0.0300	U	0.0300
Ethylbenzene	U	0.0300	0.364	0.300	U	0.128	0.184	0.0300	U	0.0994
1,2,4-Trimethylbenzene	U	0.0300	0.800	0.300	U	0.102	U	0.171	U	0.105

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Table 1.1a (cont) Result of the Analysis for VOC (ppbv) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

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SERAS Sample No.	R203016-31	R203016-32	R203016-69	R203016-71	R203016-73
Sample Number	0-130-1073	0-130-1074	0-130-1092	0-130-1094	0-130-1096
Sample Location	MHS-AMB1	MHS-AMB2	FH-IA	44A-IA	44B-IA

Analyte	Results ppbv	RL ppbv								
Vinyl Chloride	U	0.0300								
1,1-Dichloroethene	U	0.0300								
Methylene Chloride	0.145	0.0300	0.132	0.0300	0.143	0.0300	0.146	0.0300	0.123	0.0300
trans-1,2-Dichloroethene	U	0.0300								
1,1-Dichloroethane	U	0.0300								
cis-1,2-Dichloroethene	U	0.0300								
Chloroform	U	0.0300	U	0.0300	U	0.0300	0.0708	0.0300	0.632	0.0300
1,2-Dichloroethane	U	0.0300	U	0.0300	U	0.0300	U	0.0300	0.0402	0.0300
Benzene	U	0.237	U	0.150	U	0.302	U	0.376	U	0.459
Trichloroethene	U	0.0300								
Toluene	U	1.49	U	1.35	U	1.12	U	1.33	U	1.43
Tetrachloroethene	U	0.0300	0.0822	0.0300	U	0.0300	U	0.0300	U	0.0300
Ethylbenzene	0.189	0.0300	0.276	0.0300	0.160	0.0300	0.201	0.0300	0.253	0.0300
1,2,4-Trimethylbenzene	0.250	0.0300	U	0.145	U	0.205	0.317	0.0300	0.554	0.0300

Table 1.1a (cont) Result of the Analysis for VOC (ppbv) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

SERAS Sample No.		R203016-57	R203016-59	R203016-61	R203016-63
Sample Number	3/24/2012	0-130-1080	0-130-1082	0-130-1084	0-130-1086
Sample Location	Method Blank	CSA-IA3	CSA-IA4	CSA-IA5	CSA-IA6

Analyte	Results ppbv	RL ppbv								
Vinyl Chloride	U	0.0300								
1,1-Dichloroethene	U	0.0300								
trans-1,2-Dichloroethene	U	0.0300								
1,1-Dichloroethane	U	0.0300								
cis-1,2-Dichloroethene	U	0.0300								
1,2-Dichloroethane	U	0.0300	0.0795	0.0300	U	0.0300	U	0.0300	U	0.0300
Trichloroethene	U	0.0300	U	0.0300	U	0.0300	0.0450	0.0300	U	0.0300
Tetrachloroethene	U	0.0300	U	0.0300	0.0302	0.0300	0.0432	0.0300	U	0.0300

Table 1.1a (cont) Result of the Analysis for VOC (ppbv) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

SERAS Sample No.	R203016-65	R203016-66	R203016-67	R203016-75	R203016-79
Sample Number	0-130-1088	0-130-1089	0-130-1090	0-130-1098	0-130-1102
Sample Location	CSA-IA7	CSA-IA8	CSA-AMB	NC-IA	10AF-IA

| Analyte | Results
ppbv | RL
ppbv |
|--------------------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|
| Vinyl Chloride | U | 0.0300 |
| 1,1-Dichloroethene | U | 0.0300 |
| trans-1,2-Dichloroethene | U | 0.0300 |
| 1,1-Dichloroethane | U | 0.0300 |
| cis-1,2-Dichloroethene | U | 0.0300 |
| 1,2-Dichloroethane | U | 0.0300 |
| Trichloroethene | U | 0.0300 |
| Tetrachloroethene | U | 0.0300 |

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Table 1.1a (cont) Result of the Analysis for VOC (ppbv) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

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SERAS Sample No.	R203016-80	R203016-82	R203016-84	R203016-85	R203016-87					
Sample Number	0-130-1103	0-130-1105	0-130-1107	0-130-1108	0-130-1110					
Sample Location	10AF-AMB	12AF-IA	3AF-IA1	3AF-IA2	52H-IA					
Analyte	Results ppbv	RL ppbv								
Vinyl Chloride	U	0.0300								
1,1-Dichloroethene	U	0.0300								
trans-1,2-Dichloroethene	U	0.0300								
1,1-Dichloroethane	U	0.0300								
cis-1,2-Dichloroethene	U	0.0300								
1,2-Dichloroethane	U	0.0300								
Trichloroethene	0.0667	0.0300	U	0.0300	U	0.0300	U	0.0300	U	0.0300
Tetrachloroethene	U	0.0300								

Table 1.1a (cont) Result of the Analysis for VOC (ppbv) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

SERAS Sample No.	R203017-10	R203017-12	R203017-13	R203017-15						
Sample Number	3/26/2012	0-130-1129	0-130-1131	0-130-1134						
Sample Location	Method Blank	I15-IA	J3-IA1	J4-IA						
Analyte	Results ppbv	RL ppbv								
Vinyl Chloride	U	0.0300	U	0.0300	U	0.150	U	0.0300	U	0.0300
1,1-Dichloroethene	U	0.0300	U	0.0300	U	0.150	U	0.0300	U	0.0300
Methylene Chloride	U	0.0300	0.144	0.0300	0.136	0.0300	0.238	0.150	0.144	0.0300
trans-1,2-Dichloroethene	U	0.0300	U	0.0300	U	0.0300	U	0.150	U	0.0300
1,1-Dichloroethane	U	0.0300	U	0.0300	U	0.0300	U	0.150	U	0.0300
cis-1,2-Dichloroethene	U	0.0300	U	0.0300	U	0.0300	U	0.150	U	0.0300
Chloroform	U	0.0300	U	0.0300	0.406	0.0300	U	0.150	0.0341	0.0300
1,2-Dichloroethane	U	0.0300	U	0.0300	0.0439	0.0300	U	0.150	0.0626	0.0300
Benzene	U	0.0300	U	0.158	U	0.206	U	0.514	U	0.208
Trichloroethene	U	0.0300	U	0.0300	U	0.0300	U	0.150	U	0.0300
Toluene	U	0.0300	U	0.901	U	1.04	8.09	0.150	U	1.05
Tetrachloroethene	U	0.0300	U	0.0300	U	0.0300	0.175	0.150	U	0.0300
Ethylbenzene	U	0.0300	U	0.111	U	0.131	0.491	0.150	U	0.139
1,2,4-Trimethylbenzene	U	0.0300	U	0.135	U	0.204	0.370	0.150	U	0.174

Table 1.1a (cont) Result of the Analysis for VOC (ppbv) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

SERAS Sample No.	R203017-17	R203017-18	R203017-20	R203017-22				
Sample Number	0-130-1136	0-130-1137	0-130-1139	0-130-1141				
Sample Location	L-IA	PS-AMB	PS-IA1	PS-IA2				
Analyte	Results ppbv	RL ppbv	Results ppbv	RL ppbv	Results ppbv	RL ppbv	Results ppbv	RL ppbv
Vinyl Chloride	U	0.0300	U	0.0300	U	0.0300	U	0.0300
1,1-Dichloroethene	U	0.0300	U	0.0300	U	0.0300	U	0.0300
Methylene Chloride	0.117	0.0300	0.166	0.0300	0.146	0.0300	0.128	0.0300
trans-1,2-Dichloroethene	U	0.0300	U	0.0300	U	0.0300	U	0.0300
1,1-Dichloroethane	U	0.0300	U	0.0300	U	0.0300	U	0.0300
cis-1,2-Dichloroethene	U	0.0300	U	0.0300	U	0.0300	U	0.0300
Chloroform	0.0534	0.0300	U	0.0300	U	0.0300	0.121	0.0300
1,2-Dichloroethane	U	0.0300	U	0.0300	U	0.0300	0.103	0.0300
Benzene	U	0.302	U	0.240	U	0.254	U	0.403
Trichloroethene	U	0.0300	U	0.0300	U	0.0300	0.107	0.0300
Toluene	U	1.17	2.30	0.0300	U	0.904	2.55	0.0300
Tetrachloroethene	U	0.0300	0.0679	0.0300	U	0.0300	U	0.0300
Ethylbenzene	0.191	0.0300	0.200	0.0300	U	0.102	0.202	0.0300
1,2,4-Trimethylbenzene	0.587	0.0300	0.328	0.0300	U	0.156	0.389	0.0300

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Table 1.1a (cont) Result of the Analysis for VOC (ppbv) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

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SERAS Sample No.	3/26/2012	R203016-77	R203016-89	R203016-91	R203016-93					
Sample Number	Method Blank	0-130-1100	0-130-1112	0-130-1114	0-130-1116					
Sample Location		53DC-IA	8AF-IA	55H-IA	53H-IA					
Analyte	Results ppbv	RL ppbv								
Vinyl Chloride	U	0.0300	U	0.0342	U	0.0300	U	0.0300	U	0.0300
1,1-Dichloroethene	U	0.0300	U	0.0342	U	0.0300	U	0.0300	U	0.0300
trans-1,2-Dichloroethene	U	0.0300	U	0.0342	U	0.0300	U	0.0300	U	0.0300
1,1-Dichloroethane	U	0.0300	U	0.0342	U	0.0300	U	0.0300	U	0.0300
cis-1,2-Dichloroethene	U	0.0300	U	0.0342	U	0.0300	U	0.0300	U	0.0300
1,2-Dichloroethane	U	0.0300	0.0840	0.0342	U	0.0300	U	0.0300	U	0.0300
Trichloroethene	U	0.0300	U	0.0342	U	0.0300	U	0.0300	U	0.0300
Tetrachloroethene	U	0.0300	0.0757	0.0342	U	0.0300	U	0.0300	U	0.0300

Table 1.1a (cont) Result of the Analysis for VOC (ppbv) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

SERAS Sample No.	R203016-95	R203017-01	R203017-03	R203017-05				
Sample Number	0-130-1118	0-130-1120	0-130-1122	0-130-1124				
Sample Location	53C-IA	49C-IA	51C-IA	46C-IA1				
Analyte	Results ppbv	RL ppbv	Results ppbv	RL ppbv	Results ppbv	RL ppbv	Results ppbv	RL ppbv
Vinyl Chloride	U	0.0300	U	0.0300	U	0.0300	U	0.0300
1,1-Dichloroethene	U	0.0300	U	0.0300	U	0.0300	U	0.0300
trans-1,2-Dichloroethene	U	0.0300	U	0.0300	U	0.0300	U	0.0300
1,1-Dichloroethane	U	0.0300	U	0.0300	U	0.0300	U	0.0300
cis-1,2-Dichloroethene	U	0.0300	U	0.0300	U	0.0300	U	0.0300
1,2-Dichloroethane	U	0.0300	U	0.0300	U	0.0300	0.0704	0.0300
Trichloroethene	U	0.0300	U	0.0300	U	0.0300	U	0.0300
Tetrachloroethene	0.0565	0.0300	U	0.0300	U	0.0300	U	0.0300

Table 1.1a (cont) Result of the Analysis for VOC (ppbv) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

SERAS Sample No.	R203017-08	R203016-53	R203016-55	R203017-06						
Sample Number	0-130-1127	0-130-1076	0-130-1078	0-130-1125						
Sample Location	50H-IA	CSA-IA1	CSA-IA2	46C-IA2						
Analyte	Results ppbv	RL ppbv								
Vinyl Chloride	U	0.0300								
1,1-Dichloroethene	U	0.0300								
trans-1,2-Dichloroethene	U	0.0300								
1,1-Dichloroethane	U	0.0300								
cis-1,2-Dichloroethene	U	0.0300								
1,2-Dichloroethane	U	0.0300	U	0.0300	U	0.0300	U	0.0300	0.0715	0.0300
Trichloroethene	U	0.0300								
Tetrachloroethene	U	0.0300								

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Table 1.1b Result of the Analysis for VOC ($\mu\text{g}/\text{m}^3$) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

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SERAS Sample No.	3/23/2012	R203017-23	R203016-30	R203016-33	R203016-34					
Sample Number	Method Blank	0-130-1142	0-130-1172	0-130-1175	0-130-1176					
Sample Location		Trip Blank	J1-IA1	J2-IA	J2-AMB					
Analyte	Results $\mu\text{g}/\text{m}^3$	RL $\mu\text{g}/\text{m}^3$								
Vinyl Chloride	U	0.0767								
1,1-Dichloroethene	U	0.119								
Methylene Chloride	U	0.104	U	0.104	0.540	0.104	0.470	0.104	0.536	0.104
trans-1,2-Dichloroethene	U	0.119								
1,1-Dichloroethane	U	0.121								
cis-1,2-Dichloroethene	U	0.119								
Chloroform	U	0.146	U	0.146	0.203	0.146	8.31	0.146	U	0.146
1,2-Dichloroethane	U	0.121								
Benzene	U	0.0958	0.522	0.0958	U	0.545	U	0.673	U	0.605
Trichloroethene	U	0.161								
Toluene	U	0.113	1.61	0.113	U	3.51	U	3.02	U	5.01
Tetrachloroethene	U	0.203								
Ethylbenzene	U	0.130	0.139	0.130	U	0.401	U	0.423	U	0.529
1,2,4-Trimethylbenzene	U	0.147	0.219	0.147	U	0.764	U	0.879	U	0.703

Table 1.1b (cont) Result of the Analysis for VOC ($\mu\text{g}/\text{m}^3$) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

SERAS Sample No.	R203016-17	R203016-18	R203016-20	R203016-22	R203016-24					
Sample Number	0-130-1059	0-130-1060	0-130-1062	0-130-1064	0-130-1066					
Sample Location	MHS-IA1	MHS-IA2	MHS-IA3	MHS-IA4	MHS-IA5					
Analyte	Results $\mu\text{g}/\text{m}^3$	RL $\mu\text{g}/\text{m}^3$								
Vinyl Chloride	U	0.0767								
1,1-Dichloroethene	U	0.119								
Methylene Chloride	0.593	0.104	0.659	0.104	0.415	0.104	0.549	0.104	0.418	0.104
trans-1,2-Dichloroethene	U	0.119								
1,1-Dichloroethane	U	0.121								
cis-1,2-Dichloroethene	U	0.119								
Chloroform	U	0.146	U	0.146	0.152	0.146	U	0.146	U	0.146
1,2-Dichloroethane	U	0.121	0.140	0.121	U	0.121	U	0.121	U	0.121
Benzene	6.65	0.0958	5.04	0.0958	U	0.508	U	0.561	U	0.409
Trichloroethene	U	0.161								
Toluene	38.8	0.113	36.4	0.113	U	2.33	8.18	0.113	U	2.42
Tetrachloroethene	U	0.203								
Ethylbenzene	7.65	0.130	5.99	0.130	U	0.667	U	0.681	0.827	0.130
1,2,4-Trimethylbenzene	7.08	0.147	5.49	0.147	U	0.687	U	0.645	U	0.477

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Table 1.1b (cont) Result of the Analysis for VOC ($\mu\text{g}/\text{m}^3$) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

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SERAS Sample No. R203016-18
 Sample Number 0-130-1160
 Sample Location I12-IA

Analyte	Results $\mu\text{g}/\text{m}^3$	RL $\mu\text{g}/\text{m}^3$
Vinyl Chloride	U	0.0767
1,1-Dichloroethene	U	0.119
Methylene Chloride	0.543	0.104
trans-1,2-Dichloroethene	U	0.119
1,1-Dichloroethane	U	0.121
cis-1,2-Dichloroethene	U	0.119
Chloroform	1.49	0.146
1,2-Dichloroethane	0.434	0.121
Benzene	U	0.829
Trichloroethene	U	0.161
Toluene	U	4.43
Tetrachloroethene	U	0.203
Ethylbenzene	0.698	0.130
1,2,4-Trimethylbenzene	1.13	0.147

Table 1.1b (cont) Result of the Analysis for VOC ($\mu\text{g}/\text{m}^3$) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

SERAS Sample No. R203017-23 R203016-02 R203016-04 R203016-06
 Sample Number 3/23/2012 0-130-1142 0-130-1144 0-130-1146 0-130-1148
 Sample Location Method Blank Trip Blank PFCS-IA1 PFCS-IA2 PFCS-IA3

| Analyte | Results
$\mu\text{g}/\text{m}^3$ | RL
$\mu\text{g}/\text{m}^3$ |
|--------------------------|-------------------------------------|--------------------------------|-------------------------------------|--------------------------------|-------------------------------------|--------------------------------|-------------------------------------|--------------------------------|-------------------------------------|--------------------------------|
| Vinyl Chloride | U | 0.0767 |
| 1,1-Dichloroethene | U | 0.119 |
| trans-1,2-Dichloroethene | U | 0.119 |
| 1,1-Dichloroethane | U | 0.121 |
| cis-1,2-Dichloroethene | U | 0.119 |
| 1,2-Dichloroethane | U | 0.121 |
| Trichloroethene | U | 0.161 |
| Tetrachloroethene | U | 0.203 |

Table 1.1b (cont) Result of the Analysis for VOC ($\mu\text{g}/\text{m}^3$) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

SERAS Sample No. R203016-08 R203016-09 R203016-11 R203016-13 R203016-15
 Sample Number 0-130-1150 0-130-1151 0-130-1153 0-130-1155 0-130-1157
 Sample Location PFCS-IA4 PFCS-IA5 PFCS-IA6 PFCS-IA7 PFCS-IA8

Analyte	Results $\mu\text{g}/\text{m}^3$	RL $\mu\text{g}/\text{m}^3$								
Vinyl Chloride	U	0.0767								
1,1-Dichloroethene	U	0.119								
trans-1,2-Dichloroethene	U	0.119								
1,1-Dichloroethane	U	0.121								
cis-1,2-Dichloroethene	U	0.119	U	0.119	0.177	0.119	U	0.119	U	0.119
1,2-Dichloroethane	U	0.121	U	0.121	U	0.121	U	0.121	0.140	0.121
Trichloroethene	U	0.161								
Tetrachloroethene	0.241	0.203	U	0.203	U	0.203	U	0.203	U	0.203

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Table 1.1b (cont) Result of the Analysis for VOC ($\mu\text{g}/\text{m}^3$) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

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Analyte	R203016-16		R203016-20		R203016-21		R203016-23		R203016-25	
	Results $\mu\text{g}/\text{m}^3$	RL $\mu\text{g}/\text{m}^3$								
Vinyl Chloride	U	0.0767								
1,1-Dichloroethene	U	0.119	0.158	0.119	U	0.119	U	0.119	U	0.119
trans-1,2-Dichloroethene	U	0.119	1.16	0.119	U	0.119	U	0.119	U	0.119
1,1-Dichloroethane	U	0.121								
cis-1,2-Dichloroethene	U	0.119	1.03	0.119	U	0.119	U	0.119	U	0.119
1,2-Dichloroethane	U	0.121	U	0.121	U	0.121	0.204	0.121	0.152	0.121
Trichloroethene	U	0.161	0.730	0.161	U	0.161	U	0.161	U	0.161
Tetrachloroethene	U	0.203								

Table 1.1b (cont) Result of the Analysis for VOC ($\mu\text{g}/\text{m}^3$) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

Analyte	R203016-27		R203016-28	
	Results $\mu\text{g}/\text{m}^3$	RL $\mu\text{g}/\text{m}^3$	Results $\mu\text{g}/\text{m}^3$	RL $\mu\text{g}/\text{m}^3$
Vinyl Chloride	U	0.767	U	0.0767
1,1-Dichloroethene	U	1.19	U	0.119
trans-1,2-Dichloroethene	U	1.19	U	0.119
1,1-Dichloroethane	U	1.21	U	0.121
cis-1,2-Dichloroethene	U	1.19	U	0.119
1,2-Dichloroethane	U	1.21	U	0.121
Trichloroethene	U	1.61	U	0.161
Tetrachloroethene	2.06	2.03	U	0.203

Table 1.1b (cont) Result of the Analysis for VOC ($\mu\text{g}/\text{m}^3$) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

Analyte	3/24/2012 Method Blank		R203016-31		R203016-26		R203016-28		R203016-30	
	Results $\mu\text{g}/\text{m}^3$	RL $\mu\text{g}/\text{m}^3$								
Vinyl Chloride	U	0.0767	U	0.767	U	0.0767	U	0.0767	U	0.0767
1,1-Dichloroethene	U	0.119	U	1.19	U	0.119	U	0.119	U	0.119
Methylene Chloride	U	0.104	U	1.04	0.460	0.104	0.530	0.104	0.440	0.104
trans-1,2-Dichloroethene	U	0.119	U	1.19	U	0.119	U	0.119	U	0.119
1,1-Dichloroethane	U	0.121	U	1.21	U	0.121	U	0.121	U	0.121
cis-1,2-Dichloroethene	U	0.119	U	1.19	U	0.119	U	0.119	U	0.119
Chloroform	U	0.146	U	1.46	U	0.146	U	0.146	U	0.146
1,2-Dichloroethane	U	0.121	U	1.21	U	0.121	U	0.121	U	0.121
Benzene	U	0.0958	U	1.33	U	0.403	U	0.585	U	0.435
Trichloroethene	U	0.161	U	1.61	U	0.161	U	0.161	U	0.161
Toluene	U	0.113	22.4	1.13	U	3.11	U	4.22	U	2.06
Tetrachloroethene	U	0.203	U	2.03	U	0.203	U	0.203	U	0.203
Ethylbenzene	U	0.130	1.58	1.30	U	0.555	0.798	0.130	U	0.432
1,2,4-Trimethylbenzene	U	0.147	3.93	1.47	U	0.500	U	0.842	U	0.515

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Table 1.1b (cont) Result of the Analysis for VOC ($\mu\text{g}/\text{m}^3$) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

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SERAS Sample No.	R203016-31	R203016-32	R203016-69	R203016-71	R203016-73
Sample Number	0-130-1073	0-130-1074	0-130-1092	0-130-1094	0-130-1096
Sample Location	MHS-AMB1	MHS-AMB2	FH-IA	44A-IA	44B-IA

Analyte	Results	RL								
	$\mu\text{g}/\text{m}^3$									
Vinyl Chloride	U	0.0767								
1,1-Dichloroethene	U	0.119								
Methylene Chloride	0.505	0.104	0.460	0.104	0.497	0.104	0.508	0.104	0.427	0.104
trans-1,2-Dichloroethene	U	0.119								
1,1-Dichloroethane	U	0.121								
cis-1,2-Dichloroethene	U	0.119								
Chloroform	U	0.146	U	0.146	U	0.146	0.345	0.146	3.09	0.146
1,2-Dichloroethane	U	0.121	U	0.121	U	0.121	U	0.121	0.163	0.121
Benzene	U	0.768	U	0.481	U	0.963	U	1.20	U	1.47
Trichloroethene	U	0.161								
Toluene	U	5.60	U	5.09	U	4.20	U	5.02	U	5.39
Tetrachloroethene	U	0.203	0.558	0.203	U	0.203	U	0.203	U	0.203
Ethylbenzene	0.820	0.130	1.20	0.130	0.693	0.130	0.871	0.130	1.10	0.130
1,2,4-Trimethylbenzene	1.23	0.147	U	0.713	U	1.01	1.56	0.147	2.72	0.147

Table 1.1b (cont) Result of the Analysis for VOC ($\mu\text{g}/\text{m}^3$) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

SERAS Sample No.	03/24/2012	R203016-57	R203016-59	R203016-61	R203016-63
Sample Number	Method Blank	0-130-1080	0-130-1082	0-130-1084	0-130-1086
Sample Location	Method Blank	CSA-IA3	CSA-IA4	CSA-IA5	CSA-IA6

Analyte	Results	RL								
	$\mu\text{g}/\text{m}^3$									
Vinyl Chloride	U	0.0767								
1,1-Dichloroethene	U	0.119								
trans-1,2-Dichloroethene	U	0.119								
1,1-Dichloroethane	U	0.121								
cis-1,2-Dichloroethene	U	0.119								
1,2-Dichloroethane	U	0.121	0.322	0.121	U	0.121	U	0.121	U	0.121
Trichloroethene	U	0.161	U	0.161	U	0.161	0.242	0.161	U	0.161
Tetrachloroethene	U	0.203	U	0.203	0.204	0.203	0.293	0.203	U	0.203

Table 1.1b (cont) Result of the Analysis for VOC ($\mu\text{g}/\text{m}^3$) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

SERAS Sample No.	R203016-65	R203016-66	R203016-67	R203016-75	R203016-79
Sample Number	0-130-1088	0-130-1089	0-130-1090	0-130-1098	0-130-1102
Sample Location	CSA-IA7	CSA-IA8	CSA-AMB	NC-IA	10AF-IA

| Analyte | Results | RL |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | $\mu\text{g}/\text{m}^3$ |
| Vinyl Chloride | U | 0.0767 |
| 1,1-Dichloroethene | U | 0.119 |
| trans-1,2-Dichloroethene | U | 0.119 |
| 1,1-Dichloroethane | U | 0.121 |
| cis-1,2-Dichloroethene | U | 0.119 |
| 1,2-Dichloroethane | U | 0.121 |
| Trichloroethene | U | 0.161 |
| Tetrachloroethene | U | 0.203 |

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Table 1.1b (cont) Result of the Analysis for VOC ($\mu\text{g}/\text{m}^3$) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

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SERAS Sample No.	R203016-80	R203016-82	R203016-84	R203016-85	R203016-87
Sample Number	0-130-1103	0-130-1105	0-130-1107	0-130-1108	0-130-1110
Sample Location	10AF-AMB	12AF-IA	3AF-IA1	3AF-IA2	52H-IA

Analyte	Results $\mu\text{g}/\text{m}^3$	RL $\mu\text{g}/\text{m}^3$								
Vinyl Chloride	U	0.0767								
1,1-Dichloroethene	U	0.119								
trans-1,2-Dichloroethene	U	0.119								
1,1-Dichloroethane	U	0.121								
cis-1,2-Dichloroethene	U	0.119								
1,2-Dichloroethane	U	0.121								
Trichloroethene	0.359	0.161	U	0.161	U	0.161	U	0.161	U	0.161
Tetrachloroethene	U	0.203								

Table 1.1b (cont) Result of the Analysis for VOC ($\mu\text{g}/\text{m}^3$) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

SERAS Sample No.	R203017-10	R203017-12	R203017-13	R203017-15
Sample Number	3/26/2012	0-130-1129	0-130-1131	0-130-1134
Sample Location	Method Blank	I15-IA	J3-IA1	J3-IA2

Analyte	Results $\mu\text{g}/\text{m}^3$	RL $\mu\text{g}/\text{m}^3$								
Vinyl Chloride	U	0.0767	U	0.0767	U	0.0767	U	0.383	U	0.0767
1,1-Dichloroethene	U	0.119	U	0.119	U	0.119	U	0.595	U	0.119
Methylene Chloride	U	0.104	0.500	0.104	0.474	0.104	0.825	0.521	0.501	0.104
trans-1,2-Dichloroethene	U	0.119	U	0.119	U	0.119	U	0.595	U	0.119
1,1-Dichloroethane	U	0.121	U	0.121	U	0.121	U	0.607	U	0.121
cis-1,2-Dichloroethene	U	0.119	U	0.119	U	0.119	U	0.595	U	0.119
Chloroform	U	0.146	U	0.146	1.98	0.146	U	0.732	0.167	0.146
1,2-Dichloroethane	U	0.121	U	0.121	0.178	0.121	U	0.607	0.253	0.121
Benzene	U	0.0958	U	0.505	U	0.658	U	1.64	U	0.666
Trichloroethene	U	0.161	U	0.161	U	0.161	U	0.806	U	0.161
Toluene	U	0.113	U	3.39	U	3.93	30.5	0.565	U	3.97
Tetrachloroethene	U	0.203	U	0.203	U	0.203	1.19	1.02	U	0.203
Ethylbenzene	U	0.130	U	0.480	U	0.571	2.13	0.651	U	0.601
1,2,4-Trimethylbenzene	U	0.147	U	0.664	U	1.00	1.82	0.737	U	0.854

Table 1.1b (cont) Result of the Analysis for VOC ($\mu\text{g}/\text{m}^3$) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

WA# SERAS-1:

SERAS Sample No.	R203017-17	R203017-18	R203017-20	R203017-22
Sample Number	0-130-1136	0-130-1137	0-130-1139	0-130-1141
Sample Location	L-IA	PS-AMB	PS-IA1	PS-IA2

Analyte	Results $\mu\text{g}/\text{m}^3$	RL $\mu\text{g}/\text{m}^3$	Results $\mu\text{g}/\text{m}^3$	RL $\mu\text{g}/\text{m}^3$	Results $\mu\text{g}/\text{m}^3$	RL $\mu\text{g}/\text{m}^3$	Results $\mu\text{g}/\text{m}^3$	RL $\mu\text{g}/\text{m}^3$
Vinyl Chloride	U	0.0767	U	0.0767	U	0.0767	U	0.0767
1,1-Dichloroethene	U	0.119	U	0.119	U	0.119	U	0.119
Methylene Chloride	0.408	0.104	0.576	0.104	0.508	0.104	0.446	0.104
trans-1,2-Dichloroethene	U	0.119	U	0.119	U	0.119	U	0.119
1,1-Dichloroethane	U	0.121	U	0.121	U	0.121	U	0.121
cis-1,2-Dichloroethene	U	0.119	U	0.119	U	0.119	U	0.119
Chloroform	0.261	0.146	U	0.146	U	0.146	0.591	0.146
1,2-Dichloroethane	U	0.121	U	0.121	U	0.121	0.418	0.121
Benzene	U	0.964	U	0.768	U	0.812	U	1.29
Trichloroethene	U	0.161	U	0.161	U	0.161	0.575	0.161
Toluene	U	4.42	8.68	0.113	U	3.41	9.60	0.113
Tetrachloroethene	U	0.203	0.460	0.203	U	0.203	U	0.203
Ethylbenzene	0.830	0.130	0.868	0.130	U	0.441	0.877	0.130
1,2,4-Trimethylbenzene	2.88	0.147	1.61	0.147	U	0.765	1.91	0.147

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Table 1.1b (cont) Result of the Analysis for VOC ($\mu\text{g}/\text{m}^3$) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

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SERAS Sample No.	3/26/2012	R203016-77	R203016-89	R203016-91	R203016-93					
Sample Number		0-130-1100	0-130-1112	0-130-1114	0-130-1116					
Sample Location	Method Blank	53DC-IA	8AF-IA	55H-IA	53H-IA					
Analyte	Results $\mu\text{g}/\text{m}^3$	RL $\mu\text{g}/\text{m}^3$								
Vinyl Chloride	U	0.0767	U	0.0875	U	0.0767	U	0.0767	U	0.0767
1,1-Dichloroethene	U	0.119	U	0.136	U	0.119	U	0.119	U	0.119
trans-1,2-Dichloroethene	U	0.119	U	0.136	U	0.119	U	0.119	U	0.119
1,1-Dichloroethane	U	0.121	U	0.139	U	0.121	U	0.121	U	0.121
cis-1,2-Dichloroethene	U	0.119	U	0.136	U	0.119	U	0.119	U	0.119
1,2-Dichloroethane	U	0.121	0.340	0.139	U	0.121	U	0.121	U	0.121
Trichloroethene	U	0.161	U	0.184	U	0.161	U	0.161	U	0.161
Tetrachloroethene	U	0.203	0.514	0.232	U	0.203	U	0.203	U	0.203

Table 1.1b (cont) Result of the Analysis for VOC ($\mu\text{g}/\text{m}^3$) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

SERAS Sample No.	R203016-95	R203017-01	R203017-03	R203017-05				
Sample Number	0-130-1118	0-130-1120	0-130-1122	0-130-1124				
Sample Location	53C-IA	49C-IA	51C-IA	46C-IA1				
Analyte	Results $\mu\text{g}/\text{m}^3$	RL $\mu\text{g}/\text{m}^3$	Results $\mu\text{g}/\text{m}^3$	RL $\mu\text{g}/\text{m}^3$	Results $\mu\text{g}/\text{m}^3$	RL $\mu\text{g}/\text{m}^3$	Results $\mu\text{g}/\text{m}^3$	RL $\mu\text{g}/\text{m}^3$
Vinyl Chloride	U	0.0767	U	0.0767	U	0.0767	U	0.0767
1,1-Dichloroethene	U	0.119	U	0.119	U	0.119	U	0.119
trans-1,2-Dichloroethene	U	0.119	U	0.119	U	0.119	U	0.119
1,1-Dichloroethane	U	0.121	U	0.121	U	0.121	U	0.121
cis-1,2-Dichloroethene	U	0.119	U	0.119	U	0.119	U	0.119
1,2-Dichloroethane	U	0.121	U	0.121	U	0.121	0.285	0.121
Trichloroethene	U	0.161	U	0.161	U	0.161	U	0.161
Tetrachloroethene	0.383	0.203	U	0.203	U	0.203	U	0.203

Table 1.1b (cont) Result of the Analysis for VOC ($\mu\text{g}/\text{m}^3$) in Air
 WA# SERAS-130 Cabo Rojo Site

Method: SERAS SOP#1814

SERAS Sample No.	R203017-08	R203016-53	R203016-55		R203017-06			
Sample Number	0-130-1127	0-130-1076	0-130-1078	03/27/202	0-130-1125			
Sample Location	50H-IA	CSA-IA1	CSA-IA2	Method Blank	46C-IA2			
Analyte	Results $\mu\text{g}/\text{m}^3$	RL $\mu\text{g}/\text{m}^3$	Results $\mu\text{g}/\text{m}^3$	RL $\mu\text{g}/\text{m}^3$	Results $\mu\text{g}/\text{m}^3$	RL $\mu\text{g}/\text{m}^3$	Results $\mu\text{g}/\text{m}^3$	RL $\mu\text{g}/\text{m}^3$
Vinyl Chloride	U	0.0767	U	0.0767	U	0.0767	U	0.0767
1,1-Dichloroethene	U	0.119	U	0.119	U	0.119	U	0.119
trans-1,2-Dichloroethene	U	0.119	U	0.119	U	0.119	U	0.119
1,1-Dichloroethane	U	0.121	U	0.121	U	0.121	U	0.121
cis-1,2-Dichloroethene	U	0.119	U	0.119	U	0.119	U	0.119
1,2-Dichloroethane	U	0.121	U	0.121	U	0.121	0.287	0.121
Trichloroethene	U	0.161	U	0.161	U	0.161	U	0.161
Tetrachloroethene	U	0.203	U	0.203	U	0.203	U	0.203

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Table 2.1 Results of the LCS Analysis for VOC in Air
 WA# SERAS-130 Cabo Rojo Site

Sample LCS: 03/23/2012-1

Analyte	LCS Spike Amount ppbv	LCS Recovered ppbv	% Recovery	QC Limits % Recovery
Vinyl Chloride	1.03	0.782	76	53 - 130
1,1-Dichloroethene	1.05	0.767	73	49 - 128
Methylene Chloride	1.05	0.764	73	35 - 134
trans-1,2-Dichloroethene	1.05	0.758	72	62 - 123
1,1-Dichloroethane	1.05	0.807	77	64 - 133
cis-1,2-Dichloroethene	1.05	0.777	74	61 - 129
Chloroform	1.02	0.775	76	62 - 141
1,2-Dichloroethane	1.05	0.803	77	59 - 139
Benzene	1.05	0.861	82	62 - 123
Trichloroethene	1.04	0.802	77	72 - 133
Toluene	1.05	0.815	78	64 - 133
Tetrachloroethene	1.04	0.698	67	66 - 138
Ethylbenzene	1.06	0.842	79	61 - 139
1,2,4-Trimethylbenzene	1.04	0.725	70	24 - 131

Sample LCS: 03/23/2012-2

Analyte	LCS Spike Amount ppbv	LCS Recovered ppbv	% Recovery	QC Limits % Recovery
Vinyl Chloride	1.03	0.818	79	53 - 130
1,1-Dichloroethene	1.05	0.830	79	49 - 128
Methylene Chloride	1.05	0.851	81	35 - 134
trans-1,2-Dichloroethene	1.05	0.807	77	62 - 123
1,1-Dichloroethane	1.05	0.851	81	64 - 133
cis-1,2-Dichloroethene	1.05	0.834	79	61 - 129
Chloroform	1.02	0.798	78	62 - 141
1,2-Dichloroethane	1.05	0.882	84	59 - 139
Benzene	1.05	0.988	94	62 - 123
Trichloroethene	1.04	0.896	86	72 - 133
Toluene	1.05	0.950	91	64 - 133
Tetrachloroethene	1.04	0.770	74	66 - 138
Ethylbenzene	1.06	0.988	93	61 - 139
1,2,4-Trimethylbenzene	1.04	1.04	100	24 - 131

Sample LCS: 03/24/2012-1

Analyte	LCS Spike Amount ppbv	LCS Recovered ppbv	% Recovery	QC Limits % Recovery
Vinyl Chloride	1.03	0.793	77	53 - 130
1,1-Dichloroethene	1.05	0.794	76	49 - 128
Methylene Chloride	1.05	0.821	78	35 - 134
trans-1,2-Dichloroethene	1.05	0.782	75	62 - 123
1,1-Dichloroethane	1.05	0.823	78	64 - 133
cis-1,2-Dichloroethene	1.05	0.807	77	61 - 129
Chloroform	1.02	0.778	76	62 - 141
1,2-Dichloroethane	1.05	0.856	82	59 - 139
Benzene	1.05	0.965	92	62 - 123
Trichloroethene	1.04	0.875	84	72 - 133
Toluene	1.05	0.926	88	64 - 133
Tetrachloroethene	1.04	0.743	71	66 - 138
Ethylbenzene	1.06	0.962	91	61 - 139
1,2,4-Trimethylbenzene	1.04	0.897	86	24 - 131

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Table 2.1 (cont) Results of the LCS Analysis for VOC in Air
 WA# SERAS-130 Cabo Rojo Site

Sample LCS: 03/24/2012-2

Analyte	LCS Spike Amount ppbv	LCS Recovered ppbv	% Recovery	QC Limits % Recovery
Vinyl Chloride	1.03	0.783	76	53 - 130
1,1-Dichloroethene	1.05	0.796	76	49 - 128
Methylene Chloride	1.05	0.834	79	35 - 134
trans-1,2-Dichloroethene	1.05	0.770	73	62 - 123
1,1-Dichloroethane	1.05	0.804	77	64 - 133
cis-1,2-Dichloroethene	1.05	0.792	75	61 - 129
Chloroform	1.02	0.754	74	62 - 141
1,2-Dichloroethane	1.05	0.864	82	59 - 139
Benzene	1.05	1.01	96	62 - 123
Trichloroethene	1.04	0.874	84	72 - 133
Toluene	1.05	0.965	92	64 - 133
Tetrachloroethene	1.04	0.738	71	66 - 138
Ethylbenzene	1.06	1.01	95	61 - 139
1,2,4-Trimethylbenzene	1.04	1.05	101	24 - 131

Sample LCS: 03/26/2012

Analyte	LCS Spike Amount ppbv	LCS Recovered ppbv	% Recovery	QC Limits % Recovery
Vinyl Chloride	1.03	0.777	75	53 - 130
1,1-Dichloroethene	1.05	0.786	75	49 - 128
Methylene Chloride	1.05	0.818	78	35 - 134
trans-1,2-Dichloroethene	1.05	0.779	74	62 - 123
1,1-Dichloroethane	1.05	0.828	79	64 - 133
cis-1,2-Dichloroethene	1.05	0.799	76	61 - 129
Chloroform	1.02	0.782	77	62 - 141
1,2-Dichloroethane	1.05	0.869	83	59 - 139
Benzene	1.05	0.971	93	62 - 123
Trichloroethene	1.04	0.869	84	72 - 133
Toluene	1.05	0.942	90	64 - 133
Tetrachloroethene	1.04	0.757	73	66 - 138
Ethylbenzene	1.06	0.984	93	61 - 139
1,2,4-Trimethylbenzene	1.04	0.852	82	24 - 131

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Table 2.2 Results of the Duplicate Analysis for VOC in Air
 WA# SERAS-130 Cabo Rojo Site

Sample: 0-130-1144

Analyte	Initial Analysis ppbv	Duplicate Analysis ppbv	RPD	QC Limit RPD
Vinyl Chloride	U	U	NC	≤25
1,1-Dichloroethene	U	U	NC	≤25
trans-1,2-Dichloroethene	U	U	NC	≤25
1,1-Dichloroethane	U	U	NC	≤25
cis-1,2-Dichloroethene	U	U	NC	≤25
1,2-Dichloroethane	U	U	NC	≤25
Trichloroethene	U	U	NC	≤25
Tetrachloroethene	U	U	NC	≤25

Sample: 0-130-1146

Analyte	Initial Analysis ppbv	Duplicate Analysis ppbv	RPD	QC Limit RPD
Vinyl Chloride	U	U	NC	≤25
1,1-Dichloroethene	U	U	NC	≤25
trans-1,2-Dichloroethene	U	U	NC	≤25
1,1-Dichloroethane	U	U	NC	≤25
cis-1,2-Dichloroethene	U	U	NC	≤25
1,2-Dichloroethane	U	U	NC	≤25
Trichloroethene	U	U	NC	≤25
Tetrachloroethene	U	U	NC	≤25

Sample: 0-130-1148

Analyte	Initial Analysis ppbv	Duplicate Analysis ppbv	RPD	QC Limit RPD
Vinyl Chloride	U	U	NC	≤25
1,1-Dichloroethene	U	U	NC	≤25
trans-1,2-Dichloroethene	U	U	NC	≤25
1,1-Dichloroethane	U	U	NC	≤25
cis-1,2-Dichloroethene	U	U	NC	≤25
1,2-Dichloroethane	U	U	NC	≤25
Trichloroethene	U	U	NC	≤25
Tetrachloroethene	U	U	NC	≤25

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Table 2.2 (cont) Results of the Duplicate Analysis for VOC in Air
 WA# SERAS-130 Cabo Rojo Site

Sample: 0-130-1150

Analyte	Initial Analysis ppbv	Duplicate Analysis ppbv	RPD	QC Limit RPD
Vinyl Chloride	U	U	NC	≤25
1,1-Dichloroethene	U	U	NC	≤25
trans-1,2-Dichloroethene	U	U	NC	≤25
1,1-Dichloroethane	U	U	NC	≤25
cis-1,2-Dichloroethene	U	U	NC	≤25
1,2-Dichloroethane	U	U	NC	≤25
Trichloroethene	U	U	NC	≤25
Tetrachloroethene	0.0355	0.0445	20	≤25

Sample: 0-130-1068

Analyte	Initial Analysis ppbv	Duplicate Analysis ppbv	RPD	QC Limit RPD
Vinyl Chloride	U	U	NC	≤25
1,1-Dichloroethene	U	U	NC	≤25
Methylene Chloride	0.132	0.146	10	≤25
trans-1,2-Dichloroethene	U	U	NC	≤25
1,1-Dichloroethane	U	U	NC	≤25
cis-1,2-Dichloroethene	U	U	NC	≤25
Chloroform	U	U	NC	≤25
1,2-Dichloroethane	U	U	NC	≤25
Benzene	0.126	0.142	10	≤25
Trichloroethene	U	U	NC	≤25
Toluene	0.825	0.958	10	≤25
Tetrachloroethene	U	U	NC	≤25
Ethylbenzene	0.128	0.147	10	≤25
1,2,4-Trimethylbenzene	0.102	0.120	20	≤25

Sample: 0-130-1070

Analyte	Initial Analysis ppbv	Duplicate Analysis ppbv	RPD	QC Limit RPD
Vinyl Chloride	U	U	NC	≤25
1,1-Dichloroethene	U	U	NC	≤25
Methylene Chloride	0.153	0.175	10	≤25
trans-1,2-Dichloroethene	U	U	NC	≤25
1,1-Dichloroethane	U	U	NC	≤25
cis-1,2-Dichloroethene	U	U	NC	≤25
Chloroform	U	U	NC	≤25
1,2-Dichloroethane	U	U	NC	≤25
Benzene	0.183	0.219	20	≤25
Trichloroethene	U	U	NC	≤25
Toluene	1.12	1.36	20	≤25
Tetrachloroethene	U	U	NC	≤25
Ethylbenzene	0.184	0.223	20	≤25
1,2,4-Trimethylbenzene	0.171	0.215	20	≤25

REPORT OF LABORATORY ANALYSIS
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Table 2.2 (cont) Results of the Duplicate Analysis for VOC in Air
 WA# SERAS-130 Cabo Rojo Site

Sample: 0-130-1072

Analyte	Initial Analysis ppbv	Duplicate Analysis ppbv	RPD	QC Limit RPD
Vinyl Chloride	U	U	NC	≤25
1,1-Dichloroethene	U	U	NC	≤25
Methylene Chloride	0.127	0.141	10	≤25
trans-1,2-Dichloroethene	U	U	NC	≤25
1,1-Dichloroethane	U	U	NC	≤25
cis-1,2-Dichloroethene	U	U	NC	≤25
Chloroform	U	U	NC	≤25
1,2-Dichloroethane	U	U	NC	≤25
Benzene	0.136	0.148	8	≤25
Trichloroethene	U	U	NC	≤25
Toluene	0.547	0.605	10	≤25
Tetrachloroethene	U	U	NC	≤25
Ethylbenzene	0.0994	0.108	8	≤25
1,2,4-Trimethylbenzene	0.105	0.113	7	≤25

Sample: 0-130-1114

Analyte	Initial Analysis ppbv	Duplicate Analysis ppbv	RPD	QC Limit RPD
Vinyl Chloride	U	U	NC	≤25
1,1-Dichloroethene	U	U	NC	≤25
trans-1,2-Dichloroethene	U	U	NC	≤25
1,1-Dichloroethane	U	U	NC	≤25
cis-1,2-Dichloroethene	U	U	NC	≤25
1,2-Dichloroethane	U	U	NC	≤25
Trichloroethene	U	U	NC	≤25
Tetrachloroethene	U	U	NC	≤25

REPORT OF LABORATORY ANALYSIS
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SERAS-130-DAR-041012

USEPA

Date Shipped: 3/1/2012

Carrier Name: FedEx

Airbill No: 89945869218105

WOF R203016

P3/21/12
3/21/12
3/21/12

CHAIN OF CUSTODY RECORD

Cabo Rojo

Contact Name: Michael Cartwright

Contact Phone: 732-321-4284

No: 2-032112-171616-0015

Cooler #: 1

Lab: SERAS

Lab #	Sample #	Location	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	Stop_Date	Stop_Time
01	0-130-1143	PFCS-SS1	TCE, PCE plus 6	Soil Gas	1	SUMMA	14240	14007	-30	-6	3/21/2012	8:34:00 AM
02	0-130-1144	PFCS-IA1	TCE, PCE plus 6	Air	1	SUMMA	115	14029	-30	-2	3/21/2012	8:34:00 AM
03	0-130-1145	PFCS-SS2	TCE, PCE plus 6	Soil Gas	1	SUMMA	14230 14238	13780	-30	-6.5	3/21/2012	8:38:00 AM
04	0-130-1146	PFCS-IA2	TCE, PCE plus 6	Air	1	SUMMA	19	13799	-30	-1.5	3/21/2012	8:38:00 AM
05	0-130-1147	PFCS-SS3	TCE, PCE plus 6	Soil Gas	1	SUMMA	138	13913	-30	-6.5	3/21/2012	8:44:00 AM
06	0-130-1148	PFCS-IA3	TCE, PCE plus 6	Air	1	SUMMA	111	13908	-30	-2.5	3/21/2012	8:44:00 AM
07	0-130-1149	PFCS-SS4	TCE, PCE plus 6	Soil Gas	1	SUMMA	195	14032	-30	-6	3/21/2012	8:48:00 AM
08	0-130-1150	PFCS-IA4	TCE, PCE plus 6	Air	1	SUMMA	223	13906	-30	-3	3/21/2012	8:48:00 AM
09	0-130-1151	PFCS-IA5	TCE, PCE plus 6	Air	1	SUMMA	1138	13990	-30	-2.5	3/21/2012	8:48:00 AM

Special Instructions: Analyze per PWA. PCE, TCE Plus 6 adds 11DCE, 11DCA, 12DCA, cis12DCE, trans12DCE and VCI. Plus 12 includes Plus 6 and Chloroform, Benzene, Toluene, Ethyl Benzene, Methylene Chloride and 124-trimethylbenzene

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All/Analysis	[Signature]	3/21/12	[Signature]	3/23/12	8:00	All/Analysis	[Signature]	3/23/12	[Signature]	3/23/12	11:00

021

USEPA

CHAIN OF CUSTODY RECORD

No: 2-032112-174259-0016

Cabo Rojo

Cooler #: 1

Contact Name: Michael Cartwright

Lab: SERAS

Contact Phone: 732-321-4284

WO# R203016

SERAS-130-DAR-041012

Lab #	Sample #	Location	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	Stop Time	Stop_Time
10	0-130-1152	PFCS-SS5	TCE, PCE plus 6	Soil Gas	1	SUMMA	104	13923	-30	-11.5	3/21/2012	8:54:00 AM
11	0-130-1153	PFCS-IA6	TCE, PCE plus 6	Air	1	SUMMA	184	13766	-30	-3	3/21/2012	8:54:00 AM
12	0-130-1154	PFCS-SS6	TCE, PCE plus 6	Soil Gas	1	SUMMA	24	13929	-30	-6	3/21/2012	9:04:00 AM
13	0-130-1155	PFCS-IA7	TCE, PCE plus 6	Air	1	SUMMA	11508	13911	-30	-3	3/21/2012	9:04:00 AM
14	0-130-1156	PFCS-SS7	TCE, PCE plus 6	Soil Gas	1	SUMMA	241	13936	-30	-7.5	3/21/2012	8:59:00 AM
15	0-130-1157	PFCS-IA8	TCE, PCE plus 6	Air	1	SUMMA	14246	13761	-30	-2.5	3/21/2012	8:59:00 AM
16	0-130-1158	PFCS-AMB	TCE, PCE plus 6	Air	1	SUMMA	22	13781	-30	-2.5	3/21/2012	9:07:00 AM
17	0-130-1159	I12-SS	TCE, PCE plus 12	Soil Gas	1	SUMMA	12625	13789	-30	-6	3/21/2012	12:05:00 PM
18	0-130-1160	I12-IA	TCE, PCE plus 12	Air	1	SUMMA	200	14016	-30	-5	3/21/2012	12:05:00 PM

Special Instructions: Analyze per PWA. PCE, TCE Plus 6 adds 11DCE, 11DCA, 12DCA, cis12DCE, trans12DCE and VCI. Plus 12 includes Plus 6 and Chloroform, Benzene, Toluene, Ethyl Benzene, Methylene Chloride and 124-trimethylbenzene

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All/Analysis	[Signature]	3/21/12	[Signature]	3/23/12	8:00	All/Analysis	[Signature]	5/23/12	[Signature]	3/28/12	1:00

022

SERAS-130-DAR-041012

USEPA

CHAIN OF CUSTODY RECORD 732005-0012

No: 2-032112-175005-0017

Cabo Rojo

Cooler #: 1

Contact Name: Michael Cartwright

Lab: SERAS

Contact Phone: 732-321-4284

WO# R203016

Lab #	Sample #	Location	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	Stop Date	Stop Time
19	0-130-1161	15CX-SS	TCE, PCE plus 6	Soil Gas	1	SUMMA	256	13782	-30	-7	3/21/2012	1:35:00 PM
20	0-130-1162	15CX-IA1	TCE, PCE plus 6	Air	1	SUMMA	14068	14039	-30	-4	3/21/2012	1:35:00 PM
21	0-130-1163	15CX-IA2	TCE, PCE plus 6	Air	1	SUMMA	14072	13790	-30	-5.5	3/21/2012	1:35:00 PM
22	0-130-1164	115ACX-SS	TCE, PCE plus 6	Soil Gas	1	SUMMA	23	13988	-30	-6	3/21/2012	1:44:00 PM
23	0-130-1165	115ACX-IA	TCE, PCE plus 6	Air	1	SUMMA	53	13775	-30	-6	3/21/2012	1:44:00 PM
24	0-130-1166	13CX-SS	TCE, PCE plus 6	Soil Gas	1	SUMMA	55	13794	-30	-5	3/21/2012	1:50:00 PM
25	0-130-1167	13CX-IA	TCE, PCE plus 6	Air	1	SUMMA	260	14003	-30	-5.5	3/21/2012	1:50:00 PM
26	0-130-1168	CX6-SS	TCE, PCE plus 6	Soil Gas	1	SUMMA	14	14011	-30	-5	3/21/2012	1:57:00 PM
27	0-130-1169	CX6-IA	TCE, PCE plus 6	Air	1	SUMMA	181	14024	-30	-30	3/21/2012	1:57:00 PM

Special Instructions: Analyze per PWA. PCE, TCE Plus 6 adds 11DCE, 11DCA, 12DCA, cis12DCE, trans12DCE and VCI. Plus 12 includes Plus 6 and Chloroform, Benzene, Toluene, Ethyl Benzene, Methylene Chloride and 124-trimethylbenzene

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All/Analysis	<i>[Signature]</i>	3/21/12	<i>[Signature]</i>	3/23/12	8:00	All/Analysis	<i>[Signature]</i>	3/23/12	<i>[Signature]</i>	3/23/12	11:00

023

CHAIN OF CUSTODY RECORD

No: 2-032112-175125-0018

Cabo Rojo

Cooler #: 1

Contact Name: Michael Cartwright

Lab: SERAS

Contact Phone: 732-321-4284

WO# R203016

SERAS-130-DAR-041012

USEPA

Lab #	Sample #	Location	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	Stop Date	Stop Time
28	0-130-1170	115ACX-AMB	TCE, PCE plus 6	Air	1	SUMMA	70	13946	-30	-7	3/21/2012	1:44:00 PM
29	0-130-1171	J1-SS	TCE, PCE plus 12	Soil Gas	1	SUMMA	226	13939	-30	-7	3/21/2012	2:21:00 PM
30	0-130-1172	J1-IA1	TCE, PCE plus 12	Air	1	SUMMA	170	14034	-30	-5	3/21/2012	2:21:00 PM
31	0-130-1173	J1-IA2	TCE, PCE plus 12	Air	1	SUMMA	14223	14021	-30	-30	3/21/2012	2:21:00 PM
32	0-130-1174	J2-SS	TCE, PCE plus 12	Soil Gas	1	SUMMA	215	13934	-30	-5.5	3/21/2012	3:06:00 PM
33	0-130-1175	J2-IA	TCE, PCE plus 12	Air	1	SUMMA	71	14048	-30	-6	3/21/2012	3:06:00 PM
34	0-130-1176	J2-AMB	TCE, PCE plus 12	Air	1	SUMMA	81	13788	-30	-6	3/21/2012	3:06:00 PM

Special Instructions: Analyze per PWA. PCE, TCE Plus 6 adds 11DCE, 11DCA, 12DCA, cis12DCE, trans12DCE and VCI. Plus 12 includes Plus 6 and Chloroform, Benzene, Toluene, Ethyl Benzene, Methylene Chloride and 124-trimethylbenzene

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All/Analysis	[Signature]	3/21/12	[Signature]	3/23/12	8:00	All/Analysis	[Signature]	3/23/12	[Signature]	3/23/12	11:00

024

USEPA

CHAIN OF CUSTODY RECORD

No: 2-032112-175226-0019

Cabo Rojo

Cooler #: 1

Contact Name: Michael Cartwright

Lab: SERAS

Contact Phone: 732-321-4284

WO# R203016

SERAS-130-DAR-041012

Lab #	Sample #	Location	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	Stop_Date	Stop_Time
35	0-130-1058	MHS-SS1	TCE, PCE plus 12	Soil Gas	1	SUMMA	219	13928	-30	-2.5	3/21/2012	8:20:00 AM
36	0-130-1059	MHS-IA1	TCE, PCE plus 12	Air	1	SUMMA	261	14005	-30	-1.5	3/21/2012	8:20:00 AM
37	0-130-1060	MHS-IA2	TCE, PCE plus 12	Air	1	SUMMA	14218	13787	-30	-6	3/21/2012	8:20:00 AM
38	0-130-1061	MHS-SS2	TCE, PCE plus 12	Soil Gas	1	SUMMA	12	13914	-30	-0.5	3/21/2012	8:26:00 AM
39	0-130-1062	MHS-IA3	TCE, PCE plus 12	Air	1	SUMMA	173	13782	-30	-0.5	3/21/2012	8:26:00 AM
40	0-130-1063	MHS-SS3	TCE, PCE plus 12	Soil Gas	1	SUMMA	193	13916	-30	-2.5	3/21/2012	8:33:00 AM
41	0-130-1064	MHS-IA4	TCE, PCE plus 12	Air	1	SUMMA	209	14001	-30	-8	3/21/2012	8:33:00 AM
42	0-130-1065	MHS-SS4	TCE, PCE plus 12	Soil Gas	1	SUMMA	57	14041	-30	-0.5	3/21/2012	8:38:00 AM
43	0-130-1066	MHS-IA5	TCE, PCE plus 12	Air	1	SUMMA	231	14019	-30	-2	3/21/2012	8:38:00 AM

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Special Instructions: Analyze per PWA. PCE, TCE Plus 6 adds 11DCE, 11DCA, 12DCA, cis12DCE, trans12DCE and VCI. Plus 12 includes Plus 6 and Chloroform, Benzene, Toluene, Ethyl Benzene, Methylene Chloride and 124-trimethylbenzene

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
AC/ANALYSIS	[Signature]	3/21/12	[Signature]	3/23/12	8:00	All/Analysis	[Signature]	3/23/12	[Signature]	3/23/12	1:00

025

CHAIN OF CUSTODY RECORD

No: 2-032112-175316-0020

Cabo Rojo

Cooler #: 1

Contact Name: Michael Cartwright

Lab: SERAS

Contact Phone: 732-321-4284

WO# R203016

SERAS-130-DAR-041012

Lab #	Sample #	Location	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	Stop_Date	Stop_Time
44	0-130-1067	MHS-SS5	TCE, PCE plus 12	Soil Gas	1	SUMMA	257	1379φ	-30	-3.5	3/21/2012	8:43:00 AM
45	0-130-1068	MHS-IA6	TCE, PCE plus 12	Air	1	SUMMA	66	13953	-30	-4	3/21/2012	8:43:00 AM
46	0-130-1069	MHS-SS6	TCE, PCE plus 12	Soil Gas	1	SUMMA	14069	13921	-30	-3	3/21/2012	8:52:00 AM
47	0-130-1070	MHS-IA7	TCE, PCE plus 12	Air	1	SUMMA	179	13798	-30	-4.5	3/21/2012	8:52:00 AM
48	0-130-1071	MHS-SS7	TCE, PCE plus 12	Soil Gas	1	SUMMA	224	14037	-30	-1	3/21/2012	8:48:00 AM
49	0-130-1072	MHS-IA8	TCE, PCE plus 12	Air	1	SUMMA	26	13960	-30	-1.5	3/21/2012	8:48:00 AM
50	0-130-1073	MHS-AMB1	TCE, PCE plus 12	Air	1	SUMMA	148	14015	-30	-2	3/21/2012	9:01:00 AM
51	0-130-1074	MHS-AMB2	TCE, PCE plus 12	Air	1	SUMMA	239	13942	-30	-2	3/21/2012	9:05:00 AM
52	0-130-1075	CSA-SS1	TCE, PCE plus 6	Soil Gas	1	SUMMA	263	13933	-30	-4	3/21/2012	9:35:00 AM

Special Instructions: Analyze per PWA. PCE, TCE Plus 6 adds 11DCE, 11DCA, 12DCA, cis12DCE, trans12DCE and VCI. Plus 12 includes Plus 6 and Chloroform, Benzene, Toluene, Ethyl Benzene, Methylene Chloride and 124-trimethylbenzene

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Full Analysis	[Signature]	3/21/12	[Signature]	3/23/12	8:00	Full Analysis	[Signature]	3/23/12	[Signature]	3/23/12	11:00

026

SERAS-130-DAR-041012

USEPA

CHAIN OF CUSTODY RECORD

No: 2-032112-175435-0021

Cabo Rojo

Cooler #: 1

Contact Name: Michael Cartwright

Lab: SERAS

Contact Phone: 732-321-4284

WO# R203016

Lab #	Sample #	Location	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	Stop_Date	Stop_Time
53	0-130-1076	CSA-IA1	TCE, PCE plus 6	Air	1	SUMMA	5	13784	-30	-7	3/21/2012	9:35:00 AM
54	0-130-1077	CSA-SS2	TCE, PCE plus 6	Soil Gas	1	SUMMA	152	13948	-30	-3.5	3/21/2012	9:39:00 AM
55	0-130-1078	CSA-IA2	TCE, PCE plus 6	Air	1	SUMMA	178	13802	-30	-3	3/21/2012	9:39:00 AM
56	0-130-1079	CSA-SS3	TCE, PCE plus 6	Soil Gas	1	SUMMA	1131	14004	-30	-1	3/21/2012	9:44:00 AM
57	0-130-1080	CSA-IA3	TCE, PCE plus 6	Air	1	SUMMA	68	14020	-30	-3	3/21/2012	9:44:00 AM
58	0-130-1081	CSA-SS4	TCE, PCE plus 6	Soil Gas	1	SUMMA	79	14035	-30	-3	3/21/2012	9:52:00 AM
59	0-130-1082	CSA-IA4	TCE, PCE plus 6	Air	1	SUMMA	147	13912	-30	-0.5	3/21/2012	9:52:00 AM
60	0-130-1083	CSA-SS5	TCE, PCE plus 6	Soil Gas	1	SUMMA	34	13785	-30	-2	3/21/2012	9:57:00 AM
61	0-130-1084	CSA-IA5	TCE, PCE plus 6	Air	1	SUMMA	37	13795	-30	-3.5	3/21/2012	9:57:00 AM

Special Instructions: Analyze per PWA. PCE, TCE Plus 6 adds 11DCE, 11DCA, 12DCA, cis12DCE, trans12DCE and VCI. Plus 12 includes Plus 6 and Chloroform, Benzene, Toluene, Ethyl Benzene, Methylene Chloride and 124-trimethylbenzene

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All/Analysis	PSL	3/21/12	Tracy Martin	3/23/12	8:00	All/Analysis	Tracy Martin	3/23/12	SL	3/23/12	11:00

027

USEPA

CHAIN OF CUSTODY RECORD

No: 2-032112-175708-0022

Cabo Rojo

Cooler #: 1

Contact Name: Michael Cartwright

Lab: SERAS

Contact Phone: 732-321-4284

WO# R203016

SERAS-130-DAR-041012

Lab #	Sample #	Location	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	Stop_Date	Stop_Time
62	0-130-1085	CSA-SS6	TCE, PCE plus 6	Soil Gas	1	SUMMA	213	13922	-30	-3	3/21/2012	10:02:00 AM
63	0-130-1086	CSA-IA6	TCE, PCE plus 6	Air	1	SUMMA	137	13776	-30	-3	3/21/2012	10:02:00 AM
64	0-130-1087	CSA-SS7	TCE, PCE plus 6	Soil Gas	1	SUMMA	159	14050	-30	-2.5	3/21/2012	10:07:00 AM
65	0-130-1088	CSA-IA7	TCE, PCE plus 6	Air	1	SUMMA	75	13777	-30	-3	3/21/2012	10:07:00 AM
66	0-130-1089	CSA-IA8	TCE, PCE plus 6	Air	1	SUMMA	242	13943	-30	-1	3/21/2012	10:07:00 AM
67	0-130-1090	CSA-AMB	TCE, PCE plus 6	Air	1	SUMMA	238	13765	-30	-3	3/21/2012	9:48:00 AM
68	0-130-1091	FH-SS	TCE, PCE plus 12	Soil Gas	1	SUMMA	118	13767	-30	-4	3/21/2012	10:48:00 AM
69	0-130-1092	FH-IA	TCE, PCE plus 12	Air	1	SUMMA	103	13918	-30	-3	3/21/2012	10:48:00 AM
70	0-130-1093	44A-SS	TCE, PCE plus 12	Soil Gas	1	SUMMA	186	13937	-30	-3.5	3/21/2012	10:51:00 AM

Special Instructions: Analyze per PWA. PCE, TCE Plus 6 adds 11DCE, 11DCA, 12DCA, cis12DCE, trans12DCE and VCl. Plus 12 includes Plus 6 and Chloroform, Benzene, Toluene, Ethyl Benzene, Methylene Chloride and 124-trimethylbenzene

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All/Analysis	[Signature]	3/21/12	[Signature]	3/23/12	8:50	All/Analysis	[Signature]	3/23/12	[Signature]	3/23/12	11:00

028

USEPA

CHAIN OF CUSTODY RECORD

No: 2-032112-175900-0023

Cabo Rojo

Contact Name: Michael Cartwright

Cooler #: 1

Contact Phone: 732-321-4284

Lab: SERAS

WOT# R203016

SERAS-130-DAR-041012

Lab #	Sample #	Location	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	Stop_Date	Stop_Time
71	0-130-1094	44A-IA	TCE, PCE plus 12	Air	1	SUMMA	222	14023	-30	-2.5	3/21/2012	10:51:00 AM
72	0-130-1095	44B-SS	TCE, PCE plus 12	Soil Gas	1	SUMMA	119	13935	-30	-4.5	3/21/2012	10:56:00 AM
73	0-130-1096	44B-IA	TCE, PCE plus 12	Air	1	SUMMA	47	13764	-30	-2	3/21/2012	10:56:00 AM
74	0-130-1097	NC-SS	TCE, PCE plus 6	Soil Gas	1	SUMMA	107	14038	-30	-4.5	3/21/2012	11:09:00 AM
75	0-130-1098	NC-IA	TCE, PCE plus 6	Air	1	SUMMA	206	14012	-30	-3	3/21/2012	11:09:00 AM
76	0-130-1099	53DC-SS	TCE, PCE plus 6	Soil Gas	1	SUMMA	157	13991	-30	-4	3/21/2012	11:17:00 AM
77	0-130-1100	53DC-IA	TCE, PCE plus 6	Air	1	SUMMA	43	13793	-30	-8	3/21/2012	11:17:00 AM
78	0-130-1101	10AF-SS	TCE, PCE plus 6	Soil Gas	1	SUMMA	255	13915	-30	-4.5	3/21/2012	11:27:00 AM
79	0-130-1102	10AF-IA	TCE, PCE plus 6	Air	1	SUMMA	59	13986	-30	-3	3/21/2012	11:27:00 AM

Special Instructions: Analyze per PWA. PCE, TCE Plus 6 adds 11DCE, 11DCA, 12DCA, cis12DCE, trans12DCE and VCl. Plus 12 includes Plus 6 and Chloroform, Benzene, Toluene, Ethyl Benzene, Methylene Chloride and 124-trimethylbenzene

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All/Analysis	[Signature]	3/21/12	[Signature]	3/23/12	8:00	All/Analysis	[Signature]	3/23/12	[Signature]	3/23/12	11:00

029

SERAS-130-DAR-041012

USEPA

CHAIN OF CUSTODY RECORD

No: 2-032112-180018-0024

Cabo Rojo

Cooler #: 1

Contact Name: Michael Cartwright

Lab: SERAS

Contact Phone: 732-321-4284

WOTFR203016

Lab #	Sample #	Location	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	Stop Date	Stop Time
80	0-130-1103	10AF-AMB	TCE, PCE plus 6	Air	1	SUMMA	14251	13779	-30	-2.5	3/21/2012	11:27:00 AM
81	0-130-1104	12AF-SS	TCE, PCE plus 6	Soil Gas	1	SUMMA	130	13941	-30	-4	3/21/2012	11:33:00 AM
82	0-130-1105	12AF-IA	TCE, PCE plus 6	Air	1	SUMMA	25	13993	-30	-3.5	3/21/2012	11:33:00 AM
83	0-130-1106	3AF-SS	TCE, PCE plus 6	Soil Gas	1	SUMMA	243	13925	-30	-3.5	3/21/2012	11:43:00 AM
84	0-130-1107	3AF-IA1	TCE, PCE plus 6	Air	1	SUMMA	10	13983	-30	-3	3/21/2012	11:43:00 AM
85	0-130-1108	3AF-IA2	TCE, PCE plus 6	Air	1	SUMMA	191	13996	-30	-2.5	3/21/2012	11:43:00 AM
86	0-130-1109	52H-SS	TCE, PCE plus 6	Soil Gas	1	SUMMA	63	13778	-30	-3.5	3/21/2012	11:54:00 AM
87	0-130-1110	52H-IA	TCE, PCE plus 6	Air	1	SUMMA	14220	13954	-30	-0.5	3/21/2012	11:54:00 AM
88	0-130-1111	8AF-SS	TCE, PCE plus 6	Soil Gas	1	SUMMA	97	14026	-30	-4	3/21/2012	11:49:00 AM

Special Instructions: Analyze per PWA. PCE, TCE Plus 6 adds 11DCE, 11DCA, 12DCA, cis12DCE, trans12DCE and VCI. Plus 12 includes Plus 6 and Chloroform, Benzene, Toluene, Ethyl Benzene, Methylene Chloride and 124-trimethylbenzene

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All/Analysis	<i>[Signature]</i>	3/21/12	<i>[Signature]</i>	3/23/12	8:00	All/Analysis	<i>[Signature]</i>	3/23/12	<i>[Signature]</i>	3/23/12	11:00

030

USEPA

CHAIN OF CUSTODY RECORD

No: 2-032112-180128-0025

Cabo Rojo

Cooler #: 1

Contact Name: Michael Cartwright

Lab: SERAS

Contact Phone: 732-321-4284

WO# R203016

SERAS-130-DAR-041012

Lab #	Sample #	Location	Analyses	Matrix	Numb Cont	Container	Pump #	OrificelD	Start Pressure	Stop Pressure	Stop_Date	Stop_Time
89	0-130-1112	8AF-IA	TCE, PCE plus 6	Air	1	SUMMA	156	13792	-30	-3.5	3/21/2012	11:49:00 AM
90	0-130-1113	55H-SS	TCE, PCE plus 6	Soil Gas	1	SUMMA	65	13762	-30	-4	3/21/2012	12:03:00 PM
91	0-130-1114	55H-IA	TCE, PCE plus 6	Air	1	SUMMA	8	13801	-30	-2.5	3/21/2012	12:03:00 PM
92	0-130-1115	53H-SS	TCE, PCE plus 6	Soil Gas	1	SUMMA	192	13998	-30	-1	3/21/2012	12:10:00 PM
93	0-130-1116	53H-IA	TCE, PCE plus 6	Air	1	SUMMA	14070	13995	-30	-3	3/21/2012	12:10:00 PM
94	0-130-1117	53C-SS	TCE, PCE plus 6	Soil Gas	1	SUMMA	7	14010	-30	-4	3/21/2012	3:41:00 PM
95	0-130-1118	53C-IA	TCE, PCE plus 6	Air	1	SUMMA	280	13919	-30	-5	3/21/2012	3:41:00 PM
96	0-130-1119	49C-SS	TCE, PCE plus 6	Soil Gas	1	SUMMA	203	13952	-30	-5	3/21/2012	1:36:00 PM

Special Instructions: Analyze per PWA. PCE, TCE Plus 6 adds 11DCE, 11DCA, 12DCA, cis12DCE, trans12DCE and VCI. Plus 12 includes Plus 6 and Chloroform, Benzene, Toluene, Ethyl Benzene, Methylene Chloride and 124-trimethylbenzene

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All/Analysis	[Signature]	3/21/12	[Signature]	3/23/12	8:00	All/Analysis	[Signature]	3/23/12	[Signature]	3/23/12	11:00

031

SERAS-130-DAR-04101203

USEPA

CHAIN OF CUSTODY RECORD

No: 2-032112-180247-0026

Cabo Rojo

Cooler #: 1

Contact Name: Michael Cartwright

Lab: SERAS

Contact Phone: 732-321-4284

R203017

WO# ~~R203016~~ TM 3/23/12

Lab #	Sample #	Location	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	Stop_Date	Stop_Time
07	0-130-1120	49C-IA	TCE, PCE plus 6	Air	1	SUMMA	216	14044	-30	-4	3/21/2012	1:36:00 PM
08	0-130-1121	51C-SS	TCE, PCE plus 6	Soil Gas	1	SUMMA	101	13939	-30	-4.5	3/21/2012	1:52:00 PM
09	0-130-1122	51C-IA	TCE, PCE plus 6	Air	1	SUMMA	180	13769	-30	-3	3/21/2012	1:52:00 PM
04	0-130-1123	46C-SS	TCE, PCE plus 6	Soil Gas	1	SUMMA	264	13917	-30	-4.5	3/21/2012	1:45:00 PM
05	0-130-1124	46C-IA1	TCE, PCE plus 6	Air	1	SUMMA	36	13962	-30	-2	3/21/2012	1:45:00 PM
06	0-130-1125	46C-IA2	TCE, PCE plus 6	Air	1	SUMMA	150	13997	-30	-2	3/21/2012	1:45:00 PM
07	0-130-1126	50H-SS	TCE, PCE plus 6	Soil Gas	1	SUMMA	13	14008	-30	-5	3/21/2012	1:59:00 PM
08	0-130-1127	50H-IA	TCE, PCE plus 6	Air	1	SUMMA	27	14013	-30	-2	3/21/2012	1:59:00 PM

Special Instructions: Analyze per PWA. PCE, TCE Plus 6 adds 11DCE, 11DCA, 12DCA, cis12DCE, trans12DCE and VCI. Plus 12 includes Plus 6 and Chloroform, Benzene, Toluene, Ethyl Benzene, Methylene Chloride and 124-trimethylbenzene

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All/Analysis	[Signature]	3/21/12	[Signature]	3/23/12	8:00	All/Analysis	[Signature]	3/23/12	[Signature]	3/23/12	11:00

032

SERAS-130-DAR-041012

USEPA

CHAIN OF CUSTODY RECORD

No: 2-032112-180403-0027

Cabo Rojo

Cooler #: 1

Contact Name: Michael Cartwright

Lab: SERAS

Contact Phone: 732-321-4284

WO# R203017

Lab #	Sample #	Location	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	Stop_Date	Stop_Time
09	0-130-1128	I15-SS	TCE, PCE plus 12	Soil Gas	1	SUMMA	40	13920	-30	-4	3/21/2012	2:22:00 PM
10	0-130-1129	I15-IA	TCE, PCE plus 12	Air	1	SUMMA	211	14030	-30	-3.5	3/21/2012	2:22:00 PM
11	0-130-1130	J3-SS	TCE, PCE plus 12	Soil Gas	1	SUMMA	176	13949	-30	-27	3/21/2012	2:28:00 PM
12	0-130-1131	J3-IA1	TCE, PCE plus 12	Air	1	SUMMA	182	14040	-30	-4.5	3/21/2012	2:28:00 PM
13	0-130-1132	J3-IA2	TCE, PCE plus 12	Air	1	SUMMA	14224	13768	-30	-29	3/21/2012	2:28:00 PM
14	0-130-1133	J4-SS	TCE, PCE plus 12	Soil Gas	1	SUMMA	194	13994	-30	-5.5	3/21/2012	2:36:00 PM
15	0-130-1134	J4-IA	TCE, PCE plus 12	Air	1	SUMMA	274	14018	-30	-4	3/21/2012	2:36:00 PM
16	0-130-1135	L-SS	TCE, PCE plus 12	Soil Gas	1	SUMMA	96	13995	-30	-5.5	3/21/2012	2:46:00 PM

Special Instructions: Analyze per PWA. PCE, TCE Plus 6 adds 11DCE, 11DCA, 12DCA, cis12DCE, trans12DCE and VCI. Plus 12 includes Plus 6 and Chloroform, Benzene, Toluene, Ethyl Benzene, Methylene Chloride and 124-trimethylbenzene

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All/Analysis	[Signature]	3/21/12	[Signature]	3/23/12	8:00	All/Analysis	[Signature]	3/23/12	[Signature]	3/23/12	11:00

033

SERAS-130-DAR-041012

USEPA

CHAIN OF CUSTODY RECORD

No: 2-032112-180503-0028

Cabo Rojo

Cooler #: 1

Contact Name: Michael Cartwright

Lab: SERAS

Contact Phone: 732-321-4284

WO# R203017

Lab #	Sample #	Location	Analyses	Matrix	Numb Cont	Container	Pump #	OrificeID	Start Pressure	Stop Pressure	Stop_Date	Stop_Time
17	0-130-1136	L-IA	TCE, PCE plus 12	Air	1	SUMMA	139	13985	-30	-4.5	3/21/2012	2:46:00 PM
18	0-130-1137	PS-AMB	TCE, PCE plus 12	Air	1	SUMMA	78	13760	-30	-3.5	3/21/2012	3:00:00 PM
19	0-130-1138	PS-SS1	TCE, PCE plus 12	Soil Gas	1	SUMMA	120	14000	-30	-5	3/21/2012	2:51:00 PM
20	0-130-1139	PS-IA1	TCE, PCE plus 12	Air	1	SUMMA	62	14027	-30	-3	3/21/2012	2:51:00 PM
21	0-130-1140	PS-SS2	TCE, PCE plus 12	Soil Gas	1	SUMMA	32	13947	-30	-5.5	3/21/2012	2:56:00 PM
22	0-130-1141	PS-IA2	TCE, PCE plus 12	Air	1	SUMMA	236	13927	-30	-4.5	3/21/2012	2:56:00 PM
23	0-130-1142	Trip Blank	TCE, PCE plus 12	Air	1	SUMMA	14249	na	-30	-30	3/21/2012	4:36:00 PM

Special Instructions: Analyze per PWA. PCE, TCE Plus 6 adds 11DCE, 11DCA, 12DCA, cis12DCE, trans12DCE and VCI. Plus 12 includes Plus 6 and Chloroform, Benzene, Toluene, Ethyl Benzene, Methylene Chloride and 124-trimethylbenzene

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
All/Analysis	[Signature]	3/21/12	[Signature]	3/23/12	3:00	All/Analysis	[Signature]	3/23/12	[Signature]	3/23/12	11:00

034